

**SM3H—5.2 odd answers**

1. yes

3. a) no b) yes

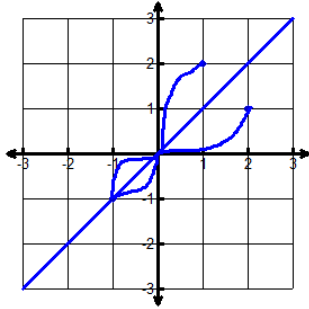
5. a) yes b) yes

7.  $\{(2, -2), (6, -1), (8, 0), (-3, 1), (9, 2)\}$

Domain:  $\{-3, 2, 6, 8, 9\}$ ; Range:  $\{-2, -1, 0, 1, 2\}$

9-13 WORK is the answer

15.



17.  $f^{-1}(x) = \frac{x-5}{2}$

19.  $f^{-1}(x) = \frac{2x+3}{x-1}$

21.  $f^{-1}(x) = x^2 - 5$

23.  $f^{-1}(x) = (x + 2)^3 - 3$

25.  $f^{-1}(x) = (2x + 6)^2 + 1$

27. 7

29. It will be increasing too.

31.  $x^2 - 49$

33.  $x^2 + 14x + 49$

35.  $x = \frac{5 \pm \sqrt{31}i}{4}$